



# HT812

## Powerful 2-port ATA with Gigabit NAT Router

The HT812 is an advanced 2-port analog telephone adapter (ATA) with 2 FXS ports and an integrated Gigabit NAT router. Built upon Grandstream's market-leading SIP ATA/gateway technology with millions of units successfully deployed worldwide, this powerful ATA features exceptional voice quality in various application environments, strong encryption with unique security certificate per unit, automated provisioning for volume deployment and device management, and outstanding network performance for home and office use.



Supports 2 SIP profiles and 2 FXS ports



Strong AES encryption with security certificate per unit



Automated & secure provisioning options using TR069



3-way voice conferencing per port



Exceptional voice quality with wide-band HD codec



Supports T.38 Fax for reliable Fax-over-IP



Supports dual Gigabit network ports



High performance NAT router

## Interfaces

**Telephone Interfaces** Two (2) FXS ports

**Network Interfaces** Two (2) 10/100/1000Mbps RJ45 ports

**LED Indicators** POWER, LAN, WAN, PHONE1, PHONE2

**Factory Reset Button** Yes

## Voice, Fax, Modem

**Telephony Features** Caller ID display or block, call waiting, flash, blind or attended transfer, forward, hold, do not disturb, 3-way conference

**Voice Codexs** G.711 with Annex I (PLC) and Annex II (VAD/CNG), G.723.1, G.729A/B, G.726, iLBC, OPUS, dynamic jitter buffer, advanced line echo cancellation

**Fax Over IP** T.38 compliant Group 3 Fax Relay up to 14.4kpbs and auto-switch to G.711 for Fax Pass-through

**Short/Long Haul Ring Load** 3 REN, up to 1km on 24AWG line

**Caller ID** Bellcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID

**Disconnect Methods** Busy Tone, Polarity Reversal/Wink, Loop Current

## Signaling

**Network Protocols** TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP/RARP, ICMP, DNS, DHCP, NTP, TFTP, TELNET, STUN, SIP (RFC3261), SIP over TCP/TLS, SRTP, TR-069

**QoS** Layer 2 (802.1Q VLAN, SIP/RTP 802.1p) and Layer 3 (ToS, Diffserv, MPLS)

**DTMF Method** In-audio, RFC2833 and/or SIP INFO

**Provisioning and Control** HTTP, HTTPS, TELNET, TFTP, TR-069 , secure and automated provisioning using AES encryption, syslog

## Security

**Media** SRTP

**Control** TLS/SIPS/HTTPS

**Management** Syslog support, telnet, remote management using web browser

## Physical

**Universal Power Supply** Input: 100-240VAC, 50-60Hz  
Output: 12V/0.5A

**Environmental** Operational: 32° – 104°F or 0° – 40°C  
Storage: 14° – 140°F or -10° – 60°C  
Humidity: 10 – 90% Non-condensing

**Dimension and Weight** 28.5 x 130 x 90 mm (H x W x D)  
Weight: 353.33g

**Compliance** FCC/CE/RCM